

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 15		
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 24 AUG 99		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY US ARMY ENGINEER DISTRICT, FORT WORTH ATTN: CESWF-CT (RM 2A19) PO BOX 17300 FORT WORTH, TX 76102-0300		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO. DACA63-99-B-0057			
				9B. DATED (SEE ITEM 11) 3 AUGUST 1999			
				10A. MODIFICATION OF CONTRACTS/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers tended. <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not ex-							
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
<input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The Solicitation for INDEFINITE DELIVERY INDEFINITE QUANTITY (IDIQ) CONTRACT FOR ROOFING FAMILY HOUSING AREAS, FORT HOOD, TEXAS, is amended as follows:							
See Continuation Sheet.							
NOTE: The Bid Opening date remains "2 September 1999, 2 p.m.local time," as previously announced.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				BY (Signature of Contracting Officer)			
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	
						USAPPCV1.00	

Item 14. Continued.

a. Bidding Schedule.

The Bidding Schedule shall be voided and the accompanying new Bidding Schedule and Description of Bid Items, bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-99-B-0057", shall be substituted therefor.

b. Special Contract Requirements and Specifications

(1) Reissued Sections - The following listed sections shall be voided and the accompanying new sections of the same title and number, each bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-99-B-0057" shall be substituted therefor:

Section No.	Title
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01000	CONSTRUCTION SCHEDULE
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(2) New Sections - The following listed accompanying new sections, each bearing the notation "ACCOMPANYING AMENDMENT NO. 0001 TO SOLICITATION NO. DACA63-99-B-0057" shall be added to the specification and add each to the Table of Contents:

Section No.	Title
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07600	SHEET METAL AND ACCESSORIES
07630	GUTTERS AND DOWNSPOUTS
15500	HEATING, VENTILATING AND AIR CONDITIONING

(3) Revised Specifications

(a) Section 02220, Demolition:

1. Page 1, Paragraph 1.2, AGeneral Requirements" - Delete the second (2nd) sentence entirely and replace with the following new sentence:

“Rubbish and debris shall be removed from the housing units, under roof renovation, daily and transported to the Post Landfill or Off Post as permitted by Landfill Regulations.”

2. Page 2, Paragraph 1.5.4, AProtection from the Weather" - Add the following sentences to the end of the paragraph:

“The Contractor shall have at each housing unit under renovation ample tarpaulin to protect the entire roof surface from the weather. Additionally, the Contractor shall provide sufficient weights, tie-down ropes or other means to secure the tarpaulins during wind and rain storms.”

3. Page 3, Paragraph 1.8, Availability of Work Areas" - Delete the entire paragraph and add the following sentence:

“Area of work, start dates and completion dates will be provided in the individual task orders issued under this contract.”

4. Page 3, Paragraph 3.1, Existing Structures" - Add the following sentences to the end of the paragraph:

“Existing roof structures that penetrate through the decking shall be removed completely to the source of the item, i.e., vents, flues, exhaust and intake ducts shall be removed completely and replaced with new flues, vents, etc., of the same material, size, location as the removed item.”

5. Pages 3 and 4, Paragraph 3.4.1.2, Items Salvaged for the Government" - Delete the last sentence of this paragraph and add the following to the end of the paragraph:

“The following items are reserved as property of the Government: ~~ALL~~ COPPER ITEMS, i.e., copper gutters, downspouts, flashing, etc.. All copper items removed during roofing demolition shall be cleaned, boxed and labeled with the weight of the copper removed from each housing unit; then transported to the Post Property Disposal Office for transfer to the Government. Property Disposal Office Regulations shall govern the transfer and a copy of the transfer document shall be provided the Area Office by the Contractor within 1 day after transfer.”

6. Page 4, Paragraph 3.4.2, Unsalvageable Material" - Delete this paragraph in it's entirety and add the following new paragraph:

“Unsalvageable material shall be disposed off Government property in accordance with federal, state and local regulations or disposed of at the Post Landfill if the material is permitted by Post Landfill Regulations. All material disposed of at the Post Landfill shall be separated by type and meet Post Landfill Regulations.”

7. Section 07311, Roofing, Strip Shingles, Page 1, Paragraph A1.2, Submittals", Subparagraph “SD-14. Samples, Finishes; GA”. ~~Add~~ the following sentence to the end of this paragraph:

“All products listed in paragraph ~~A~~2.1 Materials” shall have a sample of the material submitted to the Government and be labeled with nomenclature and intended use in roof system.”

8. Section 07311, Roofing Strip Shingles, Page 2, Paragraph 2.1.1, "Metal Drip Edges".

Delete the sentence and add the following new sentence:

AMetal drip edges shall be minimum 26 gauge G90 galvanized steel and meet the shape and dimensions shown on the drawings”.

9. Section 07311, Roofing Strip Shingles, Page 2, Paragraph 2.1.2 Underlayment:

Change “Type II, heavy-duty Number 30” to read: AType I, Number 15”.

10. Section 07311, Roofing Strip Shingles, Page 2 and 3, Paragraph 2.1.6 Shingles:

Delete the last sentence of this specification and add the following new sentence:

“Shingles shall be 240 lbs and shall be warranted for a 25 year limited warranty by the manufacturer. Provide warranty certificate by manufacturer for each building roofed with the shingles”.

11. Section 07311, Roofing Strip Shingles, page 3, Paragraph 3.2.3 Underlayment:

In the first sentence change the words: “A single layer” to read “two layers”.

12. Section 07311, Roofing Strip Shingles, Page 3, Paragraph 3.2.4, Shingles:

Add the following sentence to the end of the paragraph:

“Shingles and underlayment shall be nailed with specified nails to the decking per spacing given in MRCA Steep Roofing Manual. Staples are prohibited”.

13. Section 07510, Built-up Roofing, Page 3, Paragraph 2.2.1:

Delete the first sentence entirely and replace with the following:

“Asphalt, ASTM D 312, Type IV shall be used on all flat and sloped areas”.

14. Section 07510, Built-up Roofing, Pages 3 and 4, Paragraph 2.7:

Delete the last sentence of this paragraph pertaining to steel and concrete decks and add new sentences as follows:

“Samples of nails shall be submitted for Government review. Nails shall meet the pull-out requirements of paragraph 3.12 of this specification”.

c. Drawings:

(1) Sheet No. C003, Seq. C3: Change the description of the center box from A Walker Village, Sht. C004" to "Wainwright Heights, Sht. C004".

(2) Sheet No. C003, Seq. C3: Add the following general note to the bottom of this drawing:

“NOTE: All waste from demolition may be disposed of at the Fort Hood Landfill in accordance with Landfill Regulation except hazardous waste that must be disposed of off-post in accordance with state, federal and local regulations”.

(3) Drawing Sheets A001 (Seq #1) through A115 (Seq #115):

(a) All notes on all details are revised as follows:

1. Change “3-ply” to “4-ply”
2. Change **A30#** reinforced felt underlayment” to “2 layers of 15# reinforced felt, underlayment”

(b) On detail labeled “Shingle / B.U.R.

Interface Detail: Change note:
A26 ga. Galv. Bent flashing” to read: “26 ga. galv. 24” x continuous Bent Flashing”

(c) On detail labeled **AB.U.R Intersection Detail**@.

“Delete note, “26 ga. Galv. Gravel stop” and replace with the following note: “24” x continuous 26 ga. G90 galvanized metal flashing set in bituminous cement.”

(d) On detail labeled: “B.U.R. Edge Detail”. Add the following dimensions to the galv. Flashing and gravel stop of 5 inches on the decking and 3 inches on the fascia.

(e) Under “Construction Notes” – “General Notes”: Delete all notes below **A**Roof type A (built-up)” through end of notes under **A**Roof type C (Foam)”.

BIDDING SCHEDULE
(To be attached to SF 1442)

**IDIQ ROOFING, FAMILY HOUSING AREAS
FORT HOOD, TEXAS**

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
0001	REMOVE AND DISPOSE OF EXISTING BUILT-UP ROOF (BUR) - Remove and dispose of existing BUR down to decking, remove all flashing, gutters, downspouts, sheet metal vents, exhaust and intakes, and penetrations down to source. Assume house is occupied and all HVAC and utility operations shall be maintained during demolition operations.	499,685	SF		
0002	REMOVE AND DISPOSE OF EXISTING BUR WITH ACM AT PENETRATIONS - Remove and dispose of existing BUR down to decking, remove all flashing, gutters, downspouts, sheet metal vents, exhaust and intakes, and penetrations down to source. Bulk sampling revealed ACM (>1%) at the penetrations; abate and dispose of properly in accordance with abatement specification section and all applicable federal, state and local rules and regulations. If elastomeric roofing material contains >1% ACM, reference item 27 "Abatement - ACM roofing material	100,000	SF		
0003	REMOVE AND DISPOSE OF EXISTING FOAM ROOF OVER BUR AND BUR - Remove and dispose of existing foam roof and BUR down to decking, remove all flashing, gutters, downspouts, sheet metal vents, exhaust and intakes, and penetrations down to source. Bulk sampling conducted revealed no (<1%) ACM.	200,000	SF		
0004	REMOVE AND DISPOSE OF EXISTING FOAM ROOF OVER BUR AND BUR WITH ACM AT PENETRATIONS - Remove and dispose of existing foam roof and BUR down to decking, remove all flashing, gutters, downspouts, sheet metal vents, exhaust and intakes, and penetrations down to source. Bulk sampling revealed ACM (>1%) at the penetrations; abate and dispose of properly in accordance with abatement specification section and all applicable federal, state and local rules and regulations.	40,000	SF		
0005	REMOVE AND DISPOSE OF DAMAGED ½" - 1" WOOD DECKING MATERIAL AND REPLACE WITH PLYWOOD - Remove and dispose of damaged ½" - 1" wood decking material and replace with plywood roof sheathing of ½" or like thickness, whichever is greater.	89,076	SF		

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
0006	REMOVE AND DISPOSE OF DAMAGED HOMOSOTE AND REPLACE WITH PLYWOOD - Remove and dispose of damaged or damp Homosote and replace with ½" plywood roof sheathing of ½" or like thickness, whichever is greater.	37,653	SF		
0007	REMOVE, DISPOSE, REPLACE AND PAINT DAMAGED SOFFIT, FASCIA BOARD, AND RAFTER ENDS TO MATCH EXISTING	8,550	SF		
0008	INSTALL NEW BUR SYSTEM - Install four-ply BUR system per specification 07510, to include flashing and penetrations in accordance with contract drawings and section 07600 and other applicable sections. Install new penetrations, sheet metal vents, exhaust, intakes, and plumbing down to source. Replace all flashing. Block and brace to match existing piping to include flashing at all penetrations.	200,450			
0009	INSTALL NEW COMPOSITION SHINGLE ROOF SYSTEM - Install new shingle roof system per specification 07311, to include flashing and penetrations in accordance with contract drawings and section 07600 and other applicable sections. Install new penetrations, sheet metal vents, exhaust, intakes, and plumbing down to source. Replace all flashing. Block and brace to match existing piping to include flashing at all penetrations.	635,285	SF		
0010	REPLACE GUTTERS - Replace gutters where specified with pre-finished rolled aluminum gutters.	26,100	LF		
0011	REPLACE DOWNSPOUTS - Replace downspouts where specified at gutter replacements using pre-finished aluminum downspouts. Install pre-cast concrete splashblock at each downspout.	1,194	EA		
0012	ABATEMENT - CEMENTITIOUS (TRANSITE) PANELS - Abate ACM transite panels and dispose of properly in accordance with federal, state and local laws and regulations.	173,670	SF		
0013	ABATEMENT - ACM (GREATER THAN OR EQUAL TO 1%) ROOFING MATERIAL - Bulk sampling revealed that elastomeric roofing material contained 1% or greater ACM content. Abate and dispose of properly in accordance with federal, state and local laws and regulations.	2,335	SF		
0014	ABATEMENT - AIR MONITORING - Prices include all sampling, reports and miscellaneous technical time and support.	160	EA		

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
0015	BULK SAMPLING - Conduct composite bulk sample of complete roof section or bulk sample of penetration mastic or other locations as specified by the contracting officer.	100	EA		
0016	WIPE TESTS (LEAD)	100	EA		
0017	REMOVAL AND DISPOSAL OF NON-HAZARDOUS LEAD BASED PAINTED ASSOCIATED ROOF TRIM, SOFFIT AND FASCIA SURFACES (NON ACM) - Remove LBP roof trim, soffit, and fascia and dispose of in accordance with contract specifications and federal, state and local rules and regulations. Replace removed materials with materials to match existing and finish to match existing building colors.	18,000	LF		
0018	REMOVAL, DISPOSAL AND REPLACEMENT OF HAZARDOUS LEAD BASED PAINTED ASSOCIATED ROOF TRIM, SOFFIT AND FASCIA SURFACES (NON ACM) - Remove hazardous (5% and greater) LBP roof trim, soffit, and fascia and dispose of in accordance with contract specifications and federal, state and local rules and regulations. Replace removed materials with materials to match existing and finish to match existing building colors.	7,000	LF		
0019	TCLP (TOXICITY LEACHING PROCEDURE) (LEAD) (2-5 DAY TURN AROUND)	127	EA		
0020	PERFORMANCE AND PAYMENT BONDS				
0020AA	INITIAL BONDING PERFORMANCE BONDS - \$500,000.00 PAYMENT BONDS - \$250,000.00	1	LS		
0020AB	ADDITIONAL BONDING (PER \$1,000.00) TO BE SPECIFIED ON EACH TASK ORDER	1,750	1K		
TOTAL BID					

Solicitation No. DACA63-99-B-0057

BIDDING SCHEDULE (cont)

NOTES:

1. ARITHMETIC DISCREPANCIES (EFARS 14.407-2)

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bidding schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) In case of discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected; and
- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. If a modification to a bid based on unit prices is submitted, which provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment to each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

3. Bidders must bid on all items.

4. Costs attributable to Division 01 - General Requirements are assumed to be prorated among bid items listed.

5. Responders are advised that this requirement may be delayed, cancelled or revised at any time during the solicitation, selection, evaluation, negotiation and/or final award process based on decisions related to DOD changes in force structure and disposition of the Armed Forces.

6. For the purpose of this solicitation, the word "item" shall be considered to mean "schedule" as used in Provision 52.214-0019, CONTRACT AWARD--SEALED BIDDING--CONSTRUCTION, in Section 00100 INSTRUCTIONS, CONDITIONS, AND NOTICES TO BIDDERS.

Solicitation No. DACA63-99-B-0057

BIDDING SCHEDULE (cont)

NOTES: (continued)

7. ABBREVIATIONS

For the purpose of this solicitation, the units of measure are represented as follows:

- a. EA (each)
- b. SF (square feet)
- c. LF (linear feet)

8. EVALUATION OF OPTIONS USING ECONOMIC PRICE ADJUSTMENT FACTOR:

Cost and price evaluation of proposals, for purposes of contract award, will be based upon the Base Period ONLY (including the documentation provided to support the prices proposed for that period). By submitting a proposal on this solicitation, offeror agrees to be bound by the economic price adjustment factor for the Option Periods when they are exercised. (Explanation of calculation follows):

FAR 52.236-4243 SLI "ECONOMIC PRICE ADJUSTMENT FACTOR FOR OPTION YEARS"

Adjustment to the Base Period unit prices for all Option Periods will be in accordance with the following equation:

$$P1 = P \times f$$

Where P1 – New Unit Price

P - Unit Price for Base Period of Contract

F - Index Factor

The index factor, "T", is the Skilled Labor Index as published in the ENR Magazine under Skilled Labor Index Review. ENR Magazine was formerly called Engineering News Record. The Skilled Labor Index Review is published monthly. The change in the index will be applied to all labor rates specified in the Bid Schedule of the contract at the time the Option(s) is/are exercised. Any Offeror who submits a proposal in response to this Request for Proposal (RFP) agrees, by that submission, to be bound by this Index.

Example Calculation:

Base Period Contract awarded: February 1996
Option Period exercised: November 1996
Unit Price for Base Period was \$1.50

Skilled Labor Index (Feb 96) 5020
Skilled Labor Index (Nov 96) 5141

$$f = \frac{5141 \text{ (Date 2)}}{5020} = 1.024$$

5020 (Date 1)

 $\$1.50 (P) \times 1.024 (f) = \$1.54 (P1) \text{ per unit}$

If the number was negative (-1.24), then the labor rates would be adjusted to show a decrease in the labor rate. Factor will be applied to both construction and service Base Period rates (for calculation of Option Period One rates) and both construction and service Option Period One rates (for calculation of Option Period Two rates). No new General Wage Decisions will be incorporated during the life of the contract, so construction wage rates will not be revised during the life of the contract except for adjustment relating to the Economic Price Adjustment Factor which governs the price if the contract for the Option Periods. However, service rates may be further revised (after the factor has been applied) if the Department of Labor issues revised Wage Rate Determinations that require an adjustment be made to the contract. SCA (service) wage rates will be updated annually, and the Contractor shall at least pay his employees the rates on the applicable Wage Rate Determination. The economic price adjustment factor does not apply to the four (4) professional level wage classifications. Offerors shall complete a separate Bid Schedule for each of the Option Periods for these "Professional" employees.

END OF BIDDING SCHEDULE

SECTION 01000

CONSTRUCTION SCHEDULE

PART 1 GENERAL

1.1 SCHEDULE

Commence, prosecute, and complete the work under this contract in accordance with the following schedule and SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS.

For each Task Order, the Contractor shall (a) commence work under this contract within five (5) days after the date the Contractor receives the notice to proceed for the task order, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than the dates or the number of calendar days set forth in the task order. Task order completion time will be determined in accordance with the schedule below. The time stated for completion shall include final cleanup of the premises.

SCHEDULE

<u>Item of Work</u>	<u>Commencement of Work (calendar days)</u>	<u>Completion of Work (calendar days)</u>	<u>Liquidated Damages (calendar days)</u>
(1) *Remove built-up roof or foam roof with BUP and install new built-up roof on building with roof area less than 5,000 SF	5	8 days	\$ 50.00/day
(2) *Remove built-up roof or foam roof with BUP and install new composition shingle roof on building with roof area less than 5,000 SF	5	5 days	\$ 50.00/day
(3) *Remove built-up roof or foam roof with BUP and install new built-up roof on several buildings up to roof area total of 25,000 SF (Est 7 bldgs)	5	30 days	\$100.00/day

<u>Item of Work</u>	<u>Commencement of Work (calendar days)</u>	<u>Completion of Work (calendar days)</u>	<u>Liquidated Damages (calendar days)</u>
(4) *Remove existing built-up roof or foam roof with BUP and install new composition shingle roof on several buildings up to roof area total of 25,000 SF of roofing (Est 7 bldgs)	5	25 days	\$100.00/day
(5) Re-roofing of housing units with total square footage over 25,000 SF on the Task Order	5	**	
**Time (duration) of completion shall be negotiated with the contractor before issuance of the task order			\$200.00/day
(6) Bulk Sampling	2	5	\$ 50.00/day
(7) Other Abatement Work Items	2	**	\$ 50.00/day

~~~~~  
 \*This work item besides the work involved in the existing roof removal and new roof installation also includes installation of all required vents, exhausts, flues, etc.; installation of required decking, soffits, fascia, flashing, gutters, downspouts and any other items to make the work complete to include clean-up and turn-over of the building or buildings to the Government.

## 1.2 CONSTRUCTION PHASING

Phasing of construction shall be issued with the task order by the Contracting Officer.

## 1.3 WORK RESTRICTIONS

### 1.3.1 Joint Occupancy

Buildings will be occupied throughout construction. The Contractor shall leave a typewritten flier at the quarters scheduled for work within 5 calendar days before starting any work on the quarters. The fliers shall be submitted to the Contracting Officer for approval prior to distribution. Fliers shall contain the following information:

- a) Explain exactly what work is scheduled for their building.
- b) The date work will actually start.

NOTE: Should the date the work is actually scheduled to start be delayed for some reason, the Contractor shall provide the quarters occupant a new start date.

- c) The number of days scheduled to complete the work.
- d) Estimated completion date.
- e) Explain safety hazards, if any, that may be present during the work.
- f) State that the occupant is responsible for removing personal property from yard, driveway, walk and the perimeter of the building, prior to the start work date.

### 1.3.2 Clean Up

In addition to other requirements in the contract, the Contractor shall perform daily cleanup of residential work sites. This includes the following:

- Containers, empty or otherwise, of paint, solvent, asphalt materials, caulking and nails.
- Scrap (waste materials) and salvage materials that result from work on this project.
- Ladders, scaffolding, tools, and other equipment used in the performance of work on this project.
- Replacement materials not installed in the work shall be removed.
- The Contractor shall insure that all nails dropped on the turfed areas surrounding the housing unit are complete removed by sweeping the complete lawn with a metal detector of sufficient strength to respond to a metal nail from a distance of 2-feet from the nail.

### 1.3.3 Working Hours

The normal duty working shift if Monday through Friday, 7:30 a.m. - 4:00 p.m.

## 1.4 UTILITIES

### 1.4.1 Payment for Utility Services

See Section 00800 SPECIAL CONTRACT REQUIREMENTS

#### 1.4.1.1 Meters and Temporary Connections

CONTRACTOR MUST PROVIDE THEIR OWN METERS FOR TRAILERS AND ANY OTHER UTILITY REQUIREMENTS AND SIGN A UTILITY SALES AGREEMENT WITH MRS. MARISON WHITTINGTON, BLDG 4219, (254) 287-7671.

### 1.4.2 Outages

No utility outages.

## 1.5 STREET CLOSINGS

None required.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

- - End of Section - -

SECTION 07600

SHEET METAL AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

1.1.1 Sheet metal flashing and counterflashings.

1.1.2 Sheet metal access panels.

1.1.3 Roof edge metal.

1.2 GENERAL REQUIREMENTS

1.2.1 General Requirements, Division 1, are part of this Section.

1.3 SUBMITTALS

1.3.1 Submit test data and/or manufacturer's data and specifications for all products and materials to be furnished and/or installed under this Section. Where manufacturer's data is not available, affidavits and certificates of compliance which state that all products and materials comply with these specifications will be acceptable if provided by the actual product manufacturer.

1.3.2 Submit three 12 inch long samples of each flashing type.

PART 2 PRODUCTS

2.1 SHEET METALS

2.1.1 Galvanized Steel: ASTM A525 core steel, or sheet aluminum of 0.019 inch thickness, minimum gages as follows:

2.1.1.1 Exposed Flashings: 26 gage, prefinished

2.1.1.2 Roof to Wall Flashings: 26 gage, prefinished

2.1.1.3 Prefinished Roof Edge Metal and Flashings: 26 gage

2.1.1.4 Access Panels (Flat, Lift Out): 16 gage

2.1.1.5 Gravel stops shall be minimum 26 gauge G90 galvanized steel with dimensions and shape as shown on the drawings.

2.1.2 Nails and fittings to match sheet metal materials.



PART 3 EXECUTION

3.1 PREPARATION

3.1.1 Verify proper conditions and substrates for installation of Sheet Metal Work.

3.2 METHODS

3.2.1 Installation and workmanship in accordance with the manufacturer's directions.

3.2.2 Flashing and nailing performed in a manner to eliminate leakage.

3.2.3 Install flashing at the junction of roofs with vertical surfaces and at all points as shown or necessary to make the work watertight. Install flashing as roofing work proceeds. Flashing shall extend a minimum of 4 inches up the wall and extend a minimum of 4 inches under the roofing, or as detailed. Provide a minimum 3 inch lead lap where one piece flashing is not used. Roof edge metal shall extend 4 inches up roof slope or as shown on drawings.

3.2.4 Access panels shall be securely fastened and installed plumb and true.

3.2.5 Provide for expansion and contraction in completed work.

3.3 FIELD QUALITY CONTROL

Prior to the acceptance of the above specified work, comply with the QC Plan, Contractor Inspection Plan and with the following:

3.3.1 Hold a preparatory meeting with the QC personnel, the General Contractor's field representative and the Subcontractor's field representative in attendance.

3.3.2 Comply with all codes and procedures applicable to this Section.

3.3.3 Verify approved disposal site with QC personnel.

3.3.4 Verify materials conformance with QC personnel.

3.3.5 Verify satisfactory installation with QC personnel, including fastening and joint sealing.

END OF SECTION

## SECTION 07630

### GUTTERS AND DOWNSPOUTS

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

1.1.1 Prefinished coated aluminum gutters and downspouts.

1.1.2 Precast concrete splash blocks.

##### 1.2 GENERAL REQUIREMENTS

1.2.1 General Requirements, Division 1, are part of this Section.

##### 1.3 SUBMITTALS

1.3.1 Submit test data and/or manufacturer's data and specifications for all products and materials to be furnished and/or installed under this Section. Where manufacturer's data is not available, affidavits and certificates of compliance which state that all products and materials comply with these specifications will be acceptable if provided by the actual product manufacturer.

#### PART 2 PRODUCTS

##### 2.1 MATERIALS

2.1.1 Gutters and Downspouts: Reynolds ReynoGuard Raincarriers, prefinished baked polyester or acrylic emulsion coated continuous aluminum sheet metal of manufacturer's standard design, with fittings and accessories as recommended by manufacturer. Gutters - minimum wall thickness 0.027 inches, sized not less than 6 square inches of free area unless otherwise indicated on drawings. Downspouts - minimum wall thickness of 0.019 inches, 3 1/2 inch by 4 inch of minimum of 6 square inches of free area unless otherwise indicated on drawings.

2.1.2 Splash Blocks: Precast concrete, 8 x 16 inch minimum size at each downspout discharge at grade in an unpaved area.

PART 3 EXECUTION

3.1 METHODS

3.1.1 Installation and workmanship in accordance with manufacturer's directions. Attach gutters with galvanized nail and spacer as provided by manufacturer (minimum spacing 4 feet, maximum spacing 6 feet; or as recommended by manufacturer's instructions) or with hangers nailed to fascia. Attach downspouts to wall surfaces, where applicable, with expansion shields and screws. Where dissimilar metals are in contact, the surfaces shall be protected with a coat of bituminous paint or asphalt varnish.

3.2 FIELD QUALITY CONTROL

Prior to the acceptance of the above specified work, comply with the QC Plan and with the following:

3.2.1 Hold a preparatory meeting with the QC personnel, the General Contractor's field representative and the Subcontractor's field representative in attendance.

3.2.2 Comply with all codes and procedures applicable to this Section.

3.2.3 Verify approved disposal site with QC personnel.

3.2.4 Verify with QC personnel suitability of materials and installation procedures.

3.2.5 Verify location of splash blocks and proper pitch of gutters to assure drainage.

END OF SECTION

## SECTION 15500

### HEATING, VENTILATING AND AIR CONDITIONING

#### PART 1 GENERAL

##### 1.1 GENERAL REQUIREMENTS

1.1.1 General Requirements, Division 1, are part of this Section.

1.1.2 All equipment and work shall comply with the applicable requirements of the UMC, ASHRAE, NFPA, SMACNA, NEMA, AGA, ARI, UL, and ANSI.

##### 1.2 SUBMITTALS

1.2.1 Submit test data and/or manufacturer's data and specifications for all products and materials to be furnished and/or installed under this Section. Where manufacturer's data is not available, affidavits and certificates of compliance which state that all products and materials comply with these specifications will be acceptable if provided by the actual product manufacturer. Submit a sample flue and samples of each type vent, exhaust, etc.. Samples may be used in the work when approved.

#### PART 2 PRODUCTS

2.1 MATERIALS AND EQUIPMENT GENERAL: Standard cataloged products of manufacturers regularly engaged in production of such materials and equipment and shall be manufacturer's latest standard design.

##### 2.2 SUPPLY DUCTS

##### 2.3 FLUES

2.3.1 Water Heater Flue: Galvanized sheet metal, UL listed, double wall Type "B", "Metalbestos" or equal. Provide thimble fitting at penetrations of ceiling. Provide UL listed cap. Replaced flue shall be same size, length, diameter, etc., of flue removed during reroofing and may be same manufacturer if approved.

2.3.2 Furnace Flue: Galvanized sheet metal, UL listed, double wall Type "B", Metalbestos, or equal. Provide thimble fitting at penetration of ceiling. Provide UL listed cap. Replaced flue shall be same size, length, diameter, etc., of flue removed during re-roofing and may be same manufacturer if approved.

PART 3 EXECUTION

3.1 Flues and ducts shall be installed with proper clearances from combustibles per manufacturer's instructions and applicable codes.

3.2 FIELD QUALITY CONTROL

Prior to the acceptance of the above specified work, the Contractor shall comply with the QC Plan, Contractor's Testing Plan and with the following:

3.3 A preparatory meeting shall be held with the representative, the General Contractor's field representative and the Subcontractor's field representative in attendance.

3.3.1 Comply with all codes and procedures applicable to this Section.

3.3.2 Verify with QC representative the suitability of materials and installation procedures.

3.3.3 Verify with QC representative compliance with standards required herein for installation of furnaces, flues and ducts.

END OF SECTION